TM 11-5135-15
*C 4

CHANGE
No. 4

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *12 May 1967*

RADIO SET CONTROL AN/GSA-7

TM 11-5135-15, 7 May 1958, is changed as follows:

Page 4, paragraph 4 (as added by C 1, 12 Sep 61). Add the following after subparagraph *c*:

d. Remote Control Set AN/GSA-7 may be used in a radio-wire system containing a manual Telephone Switchboard SB-86/P when the equipment is interconnected (fig. 2.1 and 2.2) with manual Telephone Switchboard SB-22/PT.

Page 5, (as added by C 1, 12 Sep 61). Add figure 2.1 and 2.2 after figure 2.

Page 12, paragraph 11 (as added by C 1, 12 Sep 61).

Add the following after subparagraph *j*:

j.1. Set the monitor switch to the T RADIO & MON position.

Delete subparagraph *l* (as changed by C 1, 12 Sep 61) and substitute:

l. Connect a jumper wire across the LINE terminals (fig. 7). Count the number of warning tones (beeps) heard in the handset. (The tone indicates that the transmitter is in use.) If the number of beeps is not approximately 12 per minute, remove the chassis from its case and adjust screwdriver adjustment R25 (fig. 3) until the desired number of beeps per minute is heard. Replace the chassis in its case. Remove the jumper wire from the LINE terminals.

Page 13, paragraph 11.1 (as added by C 1, 12 Sep 61).

Add paragraph 11.1 after paragraph 11.

11.1. Interconnection of SB-86/P and SB-22/PT

To interconnect the SB-86/P and SB-22/PT for push-to-talk circuits, proceed as follows:

a. Lift the log plate from the top of the jack field section of the SB-86/P and position the SB-22/PT on top of the jack field section (fig. 2.2).

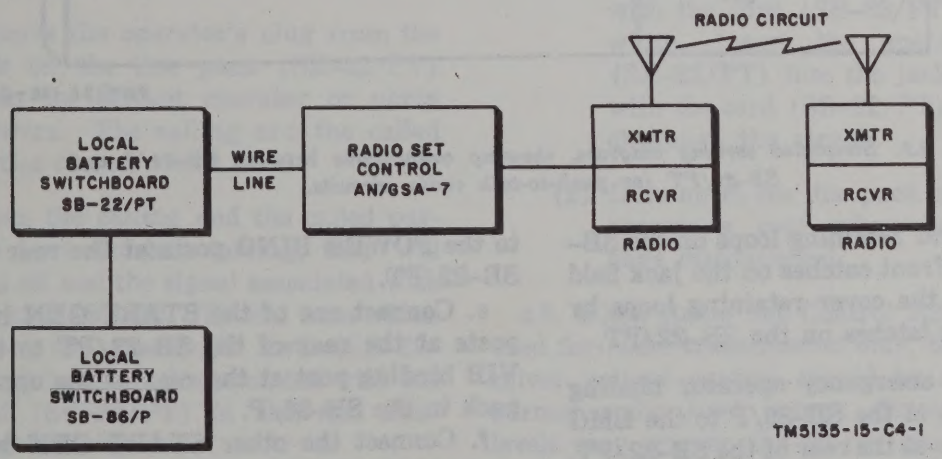

Figure 2.1. System application of Radio Set Control AN/GSA-7.

*This change supersedes C 1, 12 September 1961; TM 11-5820-274-12P, 11 May 1959; and TM 11-5820-274-35P, 11 May 1959, including C 2, 28 September 1962.

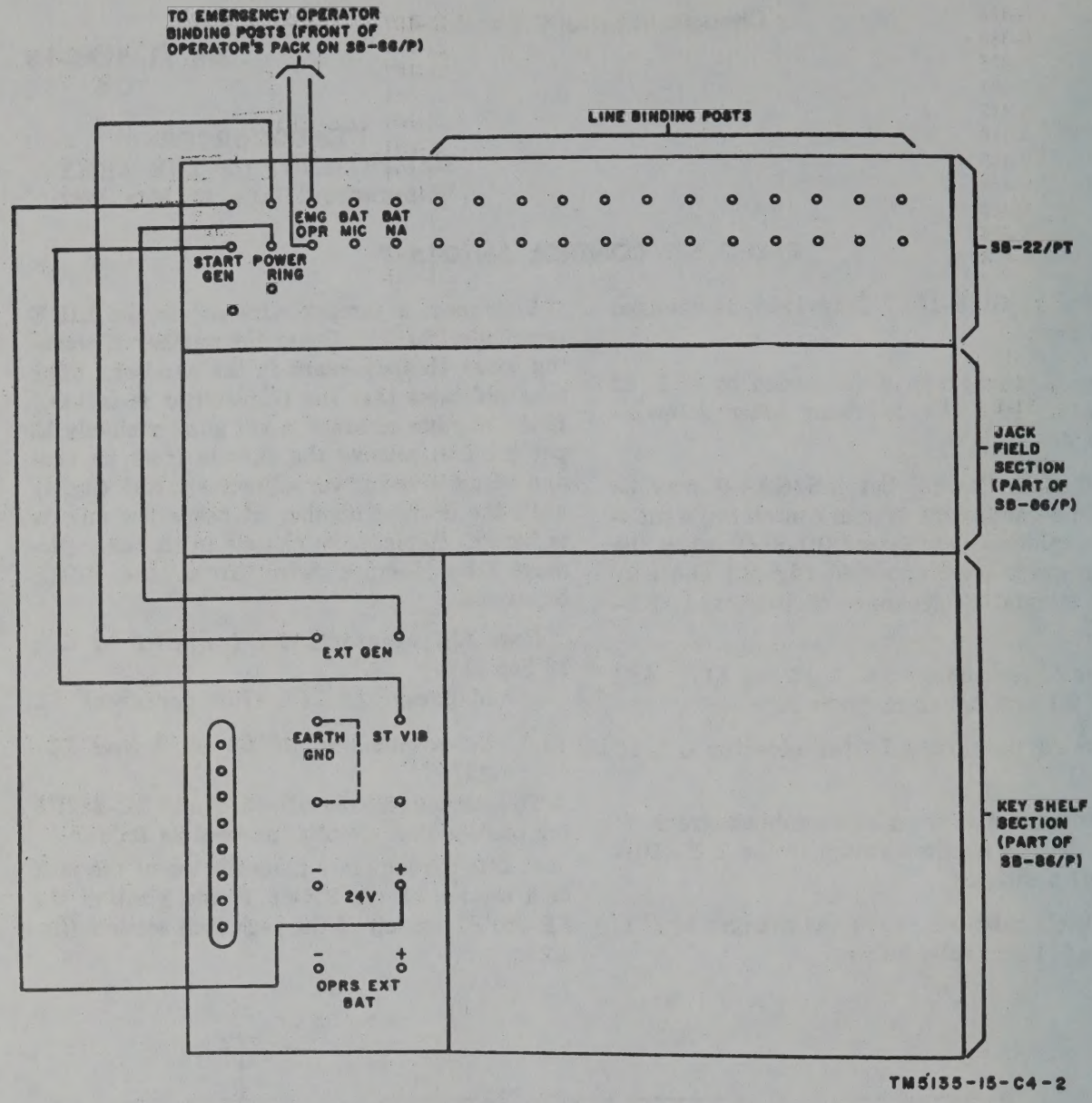

Figure 2.2. Simplified cording diagram, showing connections between SB–86/P and SB–22/PT for push-to-talk radio circuits.

b. Hook the cover retaining loops on the SB–22/PT under the front catches on the jack field section. Tighten the cover retaining loops by turning the cover latches on the SB–22/PT.

c. Connect the emergency operator binding posts on the front of the SB–86/P to the EMG OPR binding posts at the rear of the SB–22/PT.

d. Connect the EXT GEN binding posts at the rear of the operator's pack in the SB–86/P to the POWER RING posts at the rear of the SB–22/PT.

e. Connect one of the START GEN binding posts at the rear of the SB–22/PT to the ST VIB binding post at the rear of the operator's pack in the SB–86/P.

f. Connect the other START GEN binding post on the SB–22/PT to the +24V binding post at the rear of the operator's pack on the SB–86/P.

g. Connect the SB–22/PT operator's telephone set to the operator's telephone set receptacle on the front of the SB–22/PT.

h. Clamp the switch in the cord of the SB–22/PT operator's set to the side of the switchboard so that it can be conveniently reached by the operator. Place the operator's telephone set on the top of the SB–22/PT.

i. Connect the lines from the push-to-talk radio equipment to the line binding posts at the back of the SB–22/PT.

Page 15, paragraph 13*c* (as added by C 1, 12 Sep 61).

Add the following:

*c.*1. When the radio set control is used with the SB–86/P, proceed as follows:

(1) Inform the calling party that a push-to-talk radio circuit is being used.

(2) Remove the answering cord from the calling party's jack.

(3) Insert the plug of one of the line pack cords (SB–22/PT) into the calling party's jack.

(4) Insert the operator's cord (SB–22/PT) into the jack of the line pack being used.

(5) Push the RING BACK-PWR RING FWD switch (SB–22/PT) to the RING BACK position.

(6) Remove the operator's plug from the jack on the line pack (SB–22/PT) when the distant operator or party answers. The calling and the called parties can now talk.

(7) When the calling and the called parties have finished talking, they will ring off and the signal associated with the cord (SB–22/PT) will turn white. Insert the operator's cord (SB–22/PT) into the jack associated with the cord (SB–22/PT) in use, and challenge the circuit.

(8) Disconnect the line pack cord and the operator's cord when both parties have disconnected.

*c.*2. To extend calls received from the push-to-talk radio circuits connected to the SB–22/PT, proceed as follows:

(1) Insert the operator's cord (SB–22/PT) into the jack associated with the signal indicating an incoming call.

(2) Push the switch in the SB–22/PT operator's telephone set cord and answer the call.

(3) Release the switch and listen for the desired number.

(4) Insert the cord associated with the incoming signal (SB–22/PT) into the jack of the party (SB–86/P) requested by the calling party.

(5) Operate the RING BACK-PWR-RING FWD switch (SB–22/PT) to the PWR RING FWD position.

(6) Inform the called party that he is being called from a push-to-talk radio circuit.

(7) Remove the operator's cord (SB–22/PT) from the calling party's jack after the called party answers. The calling and the called parties can now talk.

(8) When the calling and the called parties have finished talking, they will ring off, and the signal associated with the cord (SB–22/PT) will turn white. Insert the operator's cord (SB–22/PT) into the jack associated with the cord (SB–22/PT) in use and challenge the circuit.

(9) Disconnect the line pack cord and the operator's cord when both parties have disconnected.

*c.*3. When Radio Set Control AN/GSA–7 is used for radio transmission only, the radio receiver volume control should be adjusted to normal audio level output. Excessive audio levels may trigger the 20-cps ringing circuit and cause false ringing.

Page 33, paragraph 34, chart. Delete the chart and note and substitute the following:

Test equipment	Technical manual	Common name
Electronic Voltmeter ME–30B/U	TM 11–6625–320–35	Vacuum tube voltmeter.
Signal Generator SG–15/PCM	TM 11–2096	Signal generator.
Frequency Meter AN/TSM–16	TM 11–6625–218–12	Frequency meter.
Electron Tube Test Set TV–2/U	TM 11–6625–316–12	Tube tester.
Telephone Set TA–43/PT	TM 11–337	Field telephone.
Multimeter AN/URM–105	TM 11–6625–203–12	Multimeter.
Resistor, 150 ohm, 1 watt.		
Resistor, 2,000 ohm, 1 watt.		
Capacitor, 20 μf.		
Connector U–79/U.		

Page 39, paragraph 40. Make the following changes:

Delete subparagraph *a* and substitute:

a. Connect the control unit to a 115- or 230-volt ac power source in accordance with paragraph 11*a*(2). Set the C.O. POWER switch to the EXT position and the monitor switch to the T RADIO & MON position.

Add subparagraphs *g* and *h* after subparagraph *f*.

g. Disconnect the control unit from the ac power source and connect it to the 22–30-volt dc power source in accordance with paragraph 11*a*(1).

h. Repeat the test described in *b* through *f* above.

Paragraph 41. Delete subparagraph *a* and substitute:

a. Connect the control unit to a 115- or 230-volt ac power source in accordance with paragraph 11*a*(2). Set the C.O. POWER switch to the EXT position and the monitor switch to the T RADIO & MON position.

Add subparagraphs *h* and *i* after subparagraph *g*.

h. Disconnect the control unit from the ac power source and connect it to the 22- 30-volt dc power source in accordance with paragraph 11*a*(1).

i. Repeat the tests described in *b* through *g* above.

Page 43, appendix I. Add the following to the references.

TM 11–6625–251–15	Test Set TS–140/PCM, Signal Generators SG–15/PCM and SG–15A/PCM and Decibel Meters ME–22/PCM and ME–22A/PCM.
TM 11–5805–295–12P	Operator and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart: Mountings MT–79/U and MT–79A/U.
TM 11–5805–295–35P	Field and Depot Maintenance Repair Parts and Special Tools List: Mountings MT–79/U and MT–79A/U.
TM 11–6625–203–12	Operator and Organizational Maintenance Manual: Multimeter AN/URM–105, Including Multimeter ME–77/U.
TM 11–6625–218–12	Organizational Maintenance Manual: Frequency Meter AN/TSM–16.
TM 11–6625–316–12	Operator and Organizational Maintenance Manual: Test Sets, Electron Tube TV–2/U, TV–2A/U, TV–2B/U, and TV–2C/U.
TM 11–6625–320–35	DS, GS, and Depot Maintenance Manual: Voltmeter, Meter ME–30A/U and Voltmeters, Electronic ME–30B/U and ME–30C/U.

Add appendixes II, III and IV after appendix I.

APPENDIX II

BASIC ISSUE ITEMS

Section I. INTRODUCTION

1. General

This appendix lists items for Control, Radio Set AN/GSA 7, the component items comprising it, and the items which accompany it, or are required for installation, operation, or operator's maintenance.

2. Explanation of Columns

An explanation of the columns in section II is given below.

a. Source, Maintenance, and Recoverability Codes, Column 1.

(1) *Source code, column 1a.* The selection status and source for the listed item is noted here. The source codes used are:

Code	*Explanation*
P	Applies to repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
A	Applies to assemblies that are not procured or stocked as such but are made up of two or more units, each of which carry individual stock numbers and descriptions and are procured and stocked and can be assembled by units at indicated maintenance categories.

(2) *Maintenance code, column 1b.* The lowest category of maintenance authorized to install the listed item is noted here. The maintenance codes used are as follows:

Code	*Explanation*
C	Operator/Crew
O	Organizational Maintenance

(3) *Recoverability code, column 1c.* The information in this column indicates whether unserviceable items should be returned for recovery or salvage. Recoverability code and its explanation are as follows:

Note. When no code is indicated in the recoverability column, the part will be considered expendable.

Code	*Explanation*
R	Applies to repair parts and assemblies that are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.

b. Federal Stock Number, Column 2. The Federal stock number for the item is indicated in this column.

c. Description, Column 3. The Federal item name, a five-digit manufacturer's code, and part number are included in this column.

d. Unit of Issue, Column 4. The unit used as a basis of issue (e.g. ea, pr, ft, yd, etc) is noted in this column.

e. Quantity Incorporated in Unit Pack, Column 5. Not used.

f. Quantity Incorporated in Unit, Column 6. The total quantity of the item used in the equipment is given in this column.

g. Quantity Authorized, Column 7. The total quantity of an item required to be on hand and necessary for the operation and maintenance of the equipment is given in this column.

h. Illustration, Column 8.

(1) *Figure number, column 8a.* The number of the illustration in which the item is shown is indicated in this column.

(2) *Item or symbol number, column 8b.*

The call out number used to reference the item in the illustration appears in this column.

3. Federal Supply Codes

This paragraph lists the Federal supply code with the associated manufacturer's name.

Code	*Manufacturer's name*
15814	Daniels, C. R., Inc.
75915	Littlefuse, Inc.
76854	Oak Mfg. Co.
80063	Army Electronics Command Procurement and Production Directorate
81349	Military Specifications
81350	Joint Army-Navy Specifications

SECTION II. BASIC ISSUE ITEMS LIST

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	BASIC ISSUE ITEMS LIST (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT PACK	(6) QTY INC IN UNIT	(7) QTY AUTH	(8) ILLUSTRATIONS (a) FIGURE NUMBER	(8) ILLUSTRATIONS (b) ITEM OR SYMBOL NUMBER
A	C	R	5820-543-1397							CONTROL, RADIO SET AN/GSA-7: Provides a means for interconnecting radio receivers or transmitters and receivers w/local battery telephone equipment on a push-to-talk basis. No attendant is necessary at the control equip, the radio transmitter is turned on and off automatically when needed by the wire equip user. (This item is nonexpendable)	ea				1	
	C									TECHNICAL MANUAL TM 11-5135-15 Requisition through pinpoint account number if assigned, otherwise through nearest Adjutant General facility. NOTE: A quantity of one technical manual is packed with each equipment. Where a valid need exists, additional copies may be requisitioned and kept on hand.	ea			1		
P	C		8105-543-7837							BAG, COTTON DUCK: 15814; A-5725	ea		1	1	1	
P	C	R	5995-578-6906							CABLE ASSEMBLY, POWER, ELECTRICAL: 80063; SC-DL-328498	ea		1	1	1	W1
P	C	R	5995-578-6907							CABLE ASSEMBLY, POWER, ELECTRICAL: 80063; SC-DL-328496	ea		1	1	1	W2
P	C	R	5995-578-6905							CABLE ASSEMBLY, POWER, ELECTRICAL: 80063; SC-D-162340	ea		1	1	1	W5
P	C	R	5995-578-7902							CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: 80063; SC-C-75348	ea		2	2	1	W3, W4
A	C	R	5805-186-9464							MOUNTING MT-791/U AND MT-791A/U: 80063; SC-C-42670	ea		1	1	1	

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	(2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UNIT PACK	(6) QTY INC IN UNIT	(7) QTY AUTH	(8) ILLUSTRATIONS (A) FIGURE NUMBER	(8) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
										AN/GSA-7 (continued)						
										RUNNING SPARE ITEMS						
P	O		5910-754-6931							CAPACITOR, FIXED, ELECTROLYTIC: 81350; CE51C501G	ea		1	1	21	C1
P	O		5910-577-1459							CAPACITOR, FIXED, ELECTROLYTIC: 81350; CE53C250M	ea		1	1	21	C11
P	O		5960-262-3763							ELECTRON TUBE: 81349; OB2WA	ea		1	1	21	V1
P	O		5960-188-8515							ELECTRON TUBE: 81350; 6C4	ea		1	1	21	V6
P	O		5960-262-0286							ELECTRON TUBE: 81350; 5651WA	ea		1	1	21	V5
P	O		5960-188-6593							ELECTRON TUBE: 81350; 5696	ea		2	1	21	V3, V8
P	O		5960-237-6917							ELECTRON TUBE: 81350; 5725/6AS6W	ea		1	1	21	V4
P	O		5960-262-0210							ELECTRON TUBE: 81350; 5814A	ea		2	1	21	V2, V7
P	O		5920-142-7383							FUSE, CARTRIDGE: 81349; F02G1R00A	ea		1	5	7	F1
P	O		5920-295-9602							FUSE, CARTRIDGE: 75915; 313001	ea		1	5	7	F2
P	O		6130-583-3693							VIBRATOR, INTERRUPTER: 76854; 6578	ea		1	1	21	G1
										NO ACCESSORIES, TOOLS OR TEST EQUIPMENT ARE TO BE ISSUED WITH THIS EQUIPMENT						
										NO BASIC ISSUE ITEMS ARE MOUNTED IN OR ON THIS EQUIPMENT						

APPENDIX III

MAINTENANCE ALLOCATION

Section I. INTRODUCTION

1. General

This appendix provides a summary of the maintenance operations covered in the equipment literature for Control, Radio Set AN/GSA–7. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

2. Explanation of Format for Maintenance Allocation Chart

a. Group Number. Not used.

b. Component Assembly Nomenclature. This column lists the item names of component units, assemblies, subassemblies, and modules on which maintenance is authorized.

c. Maintenance Function. This column indicates the maintenance category at which performance of the specific maintenance function is authorized. Authorization to perform a function at any category also includes authorization to perform that function at higher categories. The codes used represent the various maintenance categories as follows:

Code	*Maintenance Category*
C	Operator/Crew
O	Organizational Maintenance
F	Direct Support Maintenance
H	General Support Maintenance
D	Depot Maintenance

d. Tools and Equipment. The numbers appearing in this column refer to specific tools and equipment which are identified by these numbers in section III.

e. Remarks. Self-explanatory.

3. Explanation of Format for Tool and Test Equipment Requirements

The columns in the tool and test equipment requirements chart are as follows:

a. Tools and Equipment. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool for the maintenance function.

b. Maintenance Category. The codes in this column indicate the maintenance category normally allocated the facility.

c. Nomenclature. This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

d. Federal Stock Number. This column lists the Federal stock number.

e. Tool Number. Not used.

SECTION II. MAINTENANCE ALLOCATION CHART

MAINTENANCE ALLOCATION CHART

GROUP NUMBER	COMPONENT ASSEMBLY NOMENCLATURE	MAINTENANCE FUNCTIONS											TOOLS AND EQUIPMENT	REMARKS
		INSPECT	TEST	SERVICE	ADJUST	ALIGN	CALIBRATE	INSTALL	REPLACE	REPAIR	OVERHAUL	REBUILD		
	CONTROL, RADIO SET AN/GSA-7	O											8	External, part seating of tubes V1 through V8, pluck out capacitors C1 and C11, pluck out vibrator G1, inspect for loose connections, inspect receptacles for bent or broken tips.
			O										1	Operational test
			C										2,6	Test tubes, voltages to determine condition of circuits; perform continuity tests.
			F										2,3,6	Test for trouble by sectionalizing and localizing trouble to component parts· test resistors, capacitors, transformers
			H										2,3,4,5,9	All tests
				O										External parts
				C									7	Internal parts
					F								8	Adjust jack contacts, tension of spring clips, warning tone control R-25, squelch circuit in radio receivers.
					H								8	All adjustments
								O					7	
										F			8	
											D		8	

SECTION III. TOOL AND TEST EQUIPMENT REQUIREMENTS

TOOL AND TEST EQUIPMENT REQUIREMENTS

TOOLS AND EQUIPMENT	MAINTENANCE CATEGORY	NOMENCLATURE	FEDERAL STOCK NUMBER	TOOL NUMBER
		AN/GSA-7 (continued)		
1	H,D	FREQUENCY METER AN/TSM-16	6625-542-1666	
2	O,F,H,D	MULTIMETER AN/URM-105	6625-581-2036	
3	F,H,D	SHUNT INSTRUMENT MULTIRANGE MX-1471/U	6625-578-5408	
4	H,D	SIGNAL GENERATOR SG-15/PCM	6625-229-1087	
5	H,D	TEST SET, ELECTRON TUBE TV-2/U	6625-699-0263	
6	O,F	TEST SET, ELECTRON TUBE TV-7D/U	6625-820-0064	
7	O	TOOL KIT, RADIO REPAIRMAN TK-115( )/U	5180-856-1578	
8	F,H,D	TOOL KIT, RADIO AND RADIO REPAIRMAN TK-87/U	5180-690-4552	
9	H,D	VOLTMETER, METER ME-30	5805-407-4224	

APPENDIX IV

ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE REPAIR PARTS

Section I. INTRODUCTION

1. General

This appendix contains a list of repair parts required for the performance of organizational maintenance and a list covering the corresponding requirements for direct support, general support, and depot maintenance for Control, Radio Set AN/GSA–7. Each group is arranged in alphabetical sequence.

Note. No special tools, test, and support equipment are required.

2. Explanation of Sections

This repair parts list is divided into sections:

a. Prescribed Load Allowance List (PLA), Section II. The PLA is a consolidated listing of repair parts allocated for initial stockage at organizational maintenance. This is a mandatory minimum stockage allowance.

b. Repair Parts for Organizational Maintenance, Section III. Repair parts authorized for organizational maintenance is included in this section.

c. Repair Parts for DS, GS, and Depot Maintenance, Section IV. This chart lists repair parts authorized for maintenance performance at direct support, general support, and depot.

d. Federal Stock Number Index, Section V. This is a cross-reference index of Federal stock numbers to illustrations by figure and item number.

3. Explanation of Columns

An explanation of the columns in sections II through IV is given below.

a. Source, Maintenance, and Recoverability Codes, Column 1, Sections III and IV.

(1) *Source code, column 1a.* The selection status and source for the listed item is noted here. Source codes and their explanations are as follows:

Code	*Explanation*
P	Applies to repair parts that are stocked in or supplied from the GSA/DSA, or Army supply system, and authorized for use at indicated maintenance categories.
A	Applies to assemblies that are not procured or stocked as such but are made up of two or more units, each of which carry individual stock numbers and descriptions and are procured and stocked and can be assembled by units at indicated maintenance categories.
X2	Applies to repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.

(2) *Maintenance code, column 1b.* The lowest category of maintenance authorized to install the listed item is noted here.

Code	*Explanation*
C	Operator/crew
O	Organizational Maintenance
F	Direct Support Maintenance
H	General Support Maintenance

(3) *Recoverability code, column 1c.* The information in this column indicates whether unserviceable items should be returned for recovery salvage. Recoverability code and its explanation are as follows:

Note. When no code is indicated in the recoverability column, the part will be considered expendable.

Code	Explanation
R	Applies to repair parts and assemblies which are economically repairable at DSU and GSU activities and normally are furnished by supply on an exchange basies.

b. Federal Stock Number, Column 1, Section II; Column 2, Sections III and IV. The Federal stock number for the item is indicated in this column.

c. Description, Column 2, Section II; Column 3, Sections III and IV. The Federal item name, five-digit manufacturer's code, and a part number are included in this column. For subsequent appearances of the same item, the manufacturer's code and part number are omitted. The original group in which the item first appeared is referenced in the list and will follow the item name, e.g., "RESISTOR, FIXED, COMPOSITION: See Group II.

d. Unit of Issue, Column 4, Sections III and IV. The unit used as a basis of issue (e.g. ea, pr, ft, yd, etc) is noted in this column.

e. Quantity Incorporated in Unit Pack, Column 4, Section II; Column 5, Sections III and IV. Not used.

f. Quantity Incorporated in Unit, Column 6, Sections III and IV. The quantity of repair parts in an assembly is given in this column.

g. Maintenance Allowance, Column 3, Section II; Column 7, Sections III and IV.

(1) The allowance columns are divided into subcolumns. The total quantity of items authorized for the number of equipments supported is indicated in each subcolumn opposite the first appearance of each item. Subsequent appearances of the same item will have no entry in the allowance columns but will have a reference, in the description column, to the first appearance of the item. Items authorized for use as required but not for initial stockage are identified with an asterisk (*) in the allowance column.

(2) The quantitative allowances for organizational category of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.

(3) Subsequent changes to organizational allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL–MR–NMP–CM, Fort Monmouth, N.J., 07703; for exception or revision to the allowance list. Revisions to the range of items authorized will be made by the USA ECOM National Maintenance Point based upon engineering experience, demand data, or TAERS information.

(4) The quantitative allowances for DS/GS categories of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

h. One-Year Allowances Per 100 Equipments/Contingency Planning Purposes, Column 8, Section IV. Opposite the first appearance of each item, the total quantity required for distribution and contingency planning purposes is indicated. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for one year.

i. Illustration, Column 8, Section III; Column 10 Section IV.

(1) *Figure number, columns 8a and 10a.* The number of the illustration in which the item is shown is indicated in this column.

(2) *Item of symbol number, columns 8b and 10b.* The callout number used to reference the item in the illustration is indicated in this column.

j. Depot Maintenance Allowance Per 100 Equipments, Column 9, Section IV. This column indicates the total quantity of each item authorized depot maintenance for 100 equipments. Subsequent appearances of the same

item will have no entry in this column, but will have a reference in the description column to the first appearance of the item.

4. Location of Repair Parts

a. When the Federal stock number is unknown follow the procedures given in (1) through (4) below.

(1) Locate the appropriate appendix of the repair parts list.

(2) If the item or symbol number is available, locate the item by scrutiny of columns 8*b* and 10*b* of the repair parts list.

(3) If the item, symbol, or figure number is not known check the description column (column 3) in the repair parts list to locate the part. The parts in this column are arranged in alphabetical order.

(4) Locate the applicable illustration in this manual and note the figure number and item number. Use the repair parts listing and locate the figure number and/or item number as noted on the illustration.

b. When the Federal stock number is known, use the repair part listing to find the part and the figure and item numbers as noted in the index of Federal stock numbers.

5. Federal Supply Codes

This paragraph lists the Federal supply code and the associated manufacturer's name.

Code number	*Manufacturer's name*
00000	Ordnance Corps.
01121	Allen-Bradley Co.
08288	Military Supply Standards
13499	Collins Radio Co. Cedar Rapids Division
46384	Penn Engineering and Mfg. Corp.
70779	General Instrument Corp. Automatic Manufacturing Division
71400	Bussmann Mfg. Division of McGraw-Edison Co.
75915	Littlefuse, Inc.
80063	Army Electronics Command Procurement and Production Directorate.
81348	Federal Specifications.
81349	Military Specifications.
81350	Joint Army-Navy Specifications.
83330	Smith, Herman H., Inc.
84171	Arco Electronics, Inc.
96906	Military Standard.

PRESCRIBED LOAD ALLOWANCE

(1) FEDERAL STOCK NUMBER	(2) DESCRIPTION	(3) 15-DAY ORG. MAINT. ALLOWANCE (A) 1-5	(B) 6-20	(C) 21-50	(D) 51-100	(4) QTY INC IN UNPK
	GROUP II FRONT PANEL ASSEMBLY ECOM DWG NO. SM-D-328361					
5325-622-5254	STUD, TURNLOCK, FASTENER: 80063; SM-B-328365	*	*	2	2	
5355-577-4084	KNOB: 80063; SM-C-328371	*	*	*	2	
5920-142-7383	FUSE, CARTRIDGE, FU-26: 71400; AGM1	2	2	3	6	
5920-295-9602	FUSE, CARTRIDGE: 80063; SM-B-328393	2	2	3	6	
5920-523-1940	CAP, ELECTRICAL: 75915; 342006-5A-1	*	*	*	1	
5935-162-3087	COVER, ELECTRICAL CONNECTOR: 80063; SM-B-328370	*	*	*	1	
	GROUP III LOWER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328386					
5910-577-1459	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE53C250M	*	*	*	2	
5910-754-6931	CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE51C501G	*	*	*	2	
5960-188-6593	ELECTRON TUBE: 81349; 5696	3	9	22	42	
5960-262-0210	ELECTRON TUBE: 81349; 5814A	2	3	7	13	
5960-262-3763	ELECTRON TUBE: 81349; OB2WA	2	2	4	8	
5960-686-8087	SHIELD, ELECTRON TUBE: 96906; MS-24233-5	*	*	*	1	
5960-686-8119	SHIELD, ELECTRON TUBE: 96906; MS-24233-1, type 1	*	*	*	1	
5960-729-8150	SHIELD, ELECTRON TUBE: 96906; MS-24233-3	*	*	*	1	
6130-583-3693	VIBRATOR, INTERRUPTER: 80063; SM-C-328394	*	*	*	2	
	GROUP IV UPPER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328443					
5960-188-8515	ELECTRON TUBE: 81349; 6C4	2	3	7	13	
5960-237-6917	ELECTRON TUBE: 81349; 5725	2	2	4	8	
5960-262-0286	ELECTRON TUBE: 81349; 5651WA	2	2	4	8	
5960-686-8085	SHIELD, ELECTRON TUBE: 96906; MS-24233-2	*	*	*	1	
	GROUP VI CABLE ASSEMBLIES					
5935-259-2545	PLUG, TIP: 83330; 108; (p/o W5)	*	*	*	1	
5935-518-9653	CONNECTOR, PLUG, ELECTRICAL: 81349; UP12CM (MS-91184-1); (p/o W1)	*	*	*	1	

SECTION III. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 15 DAY ORG. MAINT. ALW. (A) 1–5	(B) 6–20	(C) 21–50	(D) 51–100	(8) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
A	C	R	5820-543-1397							CONTROL RADIO SET AN/GSA-7: Provides a means for interconnecting radio receivers or transmitters and receivers w/local battery telephone equipment on a push-to-talk basis. No attendant is necessary at the control equip, the radio transmitter is turned on and off automatically when needed by wire equip user; 80063; SC-DL-328350 (This item is nonexpendable)	ea							1	
										GROUP I CHASSIS AND PANEL ASSEMBLY ECOM DWG NO. SM-C-328359									
										GROUP II FRONT PANEL ASSEMBLY ECOM DWG NO. SM-D-328361									
P	O		5920-523-1940							CAP, ELECTRICAL: 75915; 342006-5A-1	ea		1	*	*	*	1		
P	O		5935-162-3087							COVER, ELECTRICAL CONNECTOR: 80063; SM-B-328370	ea		1	*	*	*	1		
P	O		5920-142-7383							FUSE, CARTRIDGE, FU-26: 71400; ACM1	ea		1	2	2	3	6	7	F1
P	O		5920-295-9602							FUSE, CARTRIDGE: 80063; SM-B-328393	ea		1	2	2	3	6	7	F2
P	O		5355-577-4084							KNOB: 80063; SM-C-328371	ea		3	*	*	*	2		
P	O		5325-622-5254							STUD, TURNLOCK FASTENER: 80063: SM-B-338365	ea		6	*	*	2	2		
										GROUP III LOWER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328386									
P	O		5910-577-1459							CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE53C250M	ea		1	*	*	*	2	21	C11
P	O		5910-754-6931							CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE51C501G	ea		1	*	*	*	2	21	C1
P	O		5960-262-3763							ELECTRON TUBE: 81349; OB2WA	ea		1	2	2	4	8	21	V1
P	O		5960-188-6593							ELECTRON TUBE: 81349; 5696	ea		1	3	9	22	42	21	V3

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	(2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 15 DAY ORG. MAINT. ALW. (a) 1–5	(b) 6–20	(c) 21–50	(d) 51–100	(8) ILLUSTRATIONS (a) FIGURE NUMBER	(b) ITEM OR SYMBOL NUMBER
										AN/GSA-7 (continued)									
P	0		5960-262-0210							ELECTRON TUBE: 81349; 5814A	ea		1	2	3	7	13	21	V2
P	0		5960-686-8119							SHIELD, ELECTRON TUBE: 96906: MS-24233-1, type 1	ea		1	*	*	*	1		E3
P	0		5960-729-8150							SHIELD, ELECTRON TUBE: 96906; MS-24233-3	ea		1	*	*	*	1		E8
P	0		5960-686-8087							SHIELD, ELECTRON TUBE: 96906; MS-24233-5	ea		1	*	*	*	1		E2
P	0		6130-583-3693							VIBRATOR, INTERRUPTER: 80063; SM-C-328394	ea		1	*	*	*	2	21	G1
										GROUP IIIA LOWER CHASSIS SUBASSEMBLY ECOM DWG NO. SM-D-328401									
										GROUP IV UPPER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328443									
P	0		5960-188-8515							ELECTRON TUBE: 81349; 6C4	ea		1	2	3	7	13	21	V6
P	0		5960-262-0286							ELECTRON TUBE: 81349; 5651WA	ea		1	2	2	4	8	21	V5
P	0		5960-237-6917							ELECTRON TUBE: 81349; 5725	ea		1	2	2	4	8	21	V4
P	0		5960-262-0210							ELECTRON TUBE: See Group III	ea		1					21	V7
P	0		5960-188-6593							ELECTRON TUBE: See Group III	ea		1					21	V8
P	0		5960-686-8085							SHIELD, ELECTRON TUBE: 96906; MS-24233-2	ea		2	*	*	*	1		E6, E7
P	0		5960-686-8119							SHIELD, ELECTRON TUBE: See Group III	ea		2						E4, E5
P	0		5960-686-8087							SHIELD, ELECTRON TUBE: See Group III	ea		1						E1
										GROUP IVA UPPER CHASSIS SUBASSEMBLY ECOM DWG NO. SM-D-328449									

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 15 DAY ORG. MAINT. ALW. (a) 1	(b) 2—20	(c) 21—50	(d) 51—100	(8) ILLUSTRATIONS (a) FIGURE NUMBER	(b) ITEM OR SYMBOL NUMBER
										AN/GSA-7 (continued)									
										GROUP V CASE ASSEMBLY ECOM DWG NO. SM-D-328352									
										GROUP VI CABLE ASSEMBLIES									
P	0		5935-518-9653							CONNECTOR, PLUG, ELECTRICAL: 81349; UP12CM (MS-91184-1) (p/o W1)	ea		1	*	*	*	1		P8
P	0		5935-259-2545							PLUG, TIP: 83330; 108; (p/o W5)	ea		2	*	*	*	1		

SECTION IV. REPAIR PARTS FOR DS, GS, AND DEPOT MAINTENANCE

(1) SOURCE CD (a)	MAINT. CD (b)	REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (a) 1—20	DS (b) 21—50	DS (c) 51—100	GS (a) 1—20	GS (b) 21—50	GS (c) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (a) FIGURE NUMBER	(b) ITEM OR SYMBOL NUMBER
A	C	R	5820-543-1397								CONTROL, RADIO SET AN/GSA-7: Provides a means for interconnecting radio receivers or transmitters and receivers w/local battery telephone equipment on a push-to-talk basis No attendant is necessary at the control equip, the radio transmitter is turned on and off automatically when needed by wire equip user; 80063; SC-DL-328350 (This item is nonexpendable)	ea											1	
											GROUP I CHASSIS AND PANEL ASSEMBLY ECOM DWG NO. SM-C-328359													
X2	F										COVER, BOTTOM: 80063; SM-C-328441	ea		1										
X2	F										PIN, HINGE: 80063; SM-C-328428-3	ea		1										
X2	F		5305-043-6638								SCREW, MACHINE: 96906; MS-35225-13	ea		13										
X2	F		5305-989-7434								SCREW, MACHINE: 96906; MS-35207-263	ea		4										
X2	F										SCREW, MACHINE: 96906; MS-35226-46	ea		2										
X2	F										SCREW, NYLOK: 80063; SM-B-328442	ea		2										
X2	F		5310-193-7577								WASHER, LOCK: 96906; MS-35333-36	ea		1										

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
X2	F		5310-576-5752								WASHER, LOCK: 96906; MS-35333-39	ea		4											
X2	F										WASHER, LOCK: 96906; MS-35340-40	ea		12											
											GROUP II FRONT PANEL ASSEMBLY ECOM DWG NO. SM-D-328361														
X2	F										BUSHING, SWITCH: 80063; SM-B-328369	ea		1											
P	0		5920-523-1940								CAP, ELECTRICAL: 75915; 342006-5A-1	ea		1	*	*	2	*	*	2	8	5			
P	F		5910-721-2252								CAPACITOR, FIXED, PAPER DIELECTRIC: 80063; SM-B-328374	ea		1	*	*	1	*	*	1	5	5	21	C2, C3	
P	F		5935-201-3998								CONNECTOR, RECEPTACLE, ELECTRICAL: 81349; CS2020(1)(P)	ea		1	*	*	1	*	*	1	5	5	7	J2	
P	F		5935-583-8291								CONNECTOR, RECEPTACLE, ELECTRICAL U-126/U: 80063; SC-DL-99590	ea		2	*	*	2	*	*	2	8	6	7	J3, J4	
P	F		5935-549-2646								CONNECTOR, RECEPTACLE, ELECTRICAL U-79/U: 80063; SC-DL-83049	ea		1	*	*	1	*	*	1	5	5	7	J5	
P	0		5935-162-3087								COVER, ELECTRICAL CONNECTOR: 80063; SM-B-328370	ea		1	*	*	1	*	*	1	5	2			
P	0		5920-142-7383								FUSE, CARTRIDGE, FU-26: 71400; ACM1	ea		1	2	6	11	2	2	2	130	50	7	F1	
P	0		5920-295-9602								FUSE, CARTRIDGE: 80063; SM-B-328393	ea		1	2	6	4	2	2	2	130	50	7	F2	

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	F		5920-356-2465								FUSEHOLDER: 80063; SM-B-328372	ea		3	*	2	2	*	2	2	13	9		XF1, XF2
X2	F										GASKET, PANEL: 80063; SM-C-328364	ea		1										
P	0		5355-577-4084								KNOB: 80063; SM-C-328371	ea		3	*	2	2	*	2	2	13	9		
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-3	ea		3										
X2	F										PLATE, IDENTIFICATION: 80063; SM-B-328367	ea		1										
X2	F										PLUG: 80063; SM-B-328366	ea		1										
P	F		5940-223-5293								POST BINDING, U-106/U: 80063; SC-C-16495	ea		5	*	2	2	*	2	2	19	10	7	E1 thru E5
P	F		5905-299-2046								RESISTOR, FIXED, COMPOSITION: 81349; RC32GF152J	ea		1	*	*	1	*	*	1	5	5	21	R1
X2	F										SCREW, MACHINE: 96906; MS-35225-24	ea		1										
X2	F										SCREW, MACHINE: 96906; MS-35225-25	ea		2										
X2	F										SCREW, MACHINE: 96906; MS-35225-29	ea		1										
X2	F		5305-043-6638								SCREW, MACHINE: See Group I	ea		1										
X2	F										SCREW, NYLOK: 80063; SM-B-328385	ea		3										
X2	F										SPACER: 80063; SM-B-328375	ea		1										
X2	F										STUD, DRIVE: 80063; SM-B-328368	ea		1										

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (a) 1–20	DS (b) 21–50	DS (c) 51–100	GS (a) 1–20	GS (b) 21–50	GS (c) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (a) FIGURE NUMBER	(10) ILLUSTRATIONS (b) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	O		5325-622-5254								STUD, TURNLOCK FASTENER: 80063; SM-B-328365	ea		6	*	2	2	*	2	2	27	12		
P	F		5930-583-2736								SWITCH, ROTARY: 80063; SM-C-328378	ea		1	*	2	2	*	2	2	13	9	7	S1
P	F		5930-583-2735								SWITCH, ROTARY: 80063; SM-C-328379	ea		1	*	*	2	*	*	2	10	7	7	S3
P	F		5930-577-0340								SWITCH, ROTARY: 80063; SM-C-328381	ea		1	*	2	2	*	2	2	12	8	7	S4
P	F		5930-583-2734								SWITCH, ROTARY: 80063; SM-C-328380	ea		1	*	2	2	*	2	2	15	10	7	S2
X2	F		5940-159-1293								TERMINAL, LUG: 80063; SC-B-84361	ea		1										
X2	F		5310-595-7237								WASHER, LOCK: 81349; MS-35333-42	ea		4										
X2	F		5310-534-2410								WASHER, LOCK: 96906; MS-35338-40	ea		1										
X2	F		5310-198-3724								WASHER, LOCK: 96906; MS-35337-41	ea		2										
											GROUP III LOWER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328386													
P	F		5910-537-5426								CAPACITOR, FIXED, CERAMIC DIELECTRIC: 81349; CK63Y103Z	ea		2	*	*	2	*	*	2	10	8	23	C7, C8
P	F		5910-667-4888								CAPACITOR, FIXED, PAPER DIELECTRIC: 81349; CP04A1RE103M	ea		3	2	2	3	2	2	2	33	18	23	C5, C6, C12
P	F		5910-820-6114								CAPACITOR, FIXED, PAPER DIELECTRIC: 81349; CP05A1KC474K3	ea		1	*	*	2	*	*	2	10	7	23	C16

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (a) 1—20	DS (b) 21—50	DS (c) 51—100	GS (a) 1—20	GS (b) 21—50	GS (c) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (a) FIGURE NUMBER	(10) ILLUSTRATIONS (b) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	O		5910-577-1459								CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE53C250M	ea		1	*	2	2	*	2	2	19	8	21	C11
P	O		5910-754-6931								CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE51C501G	ea		1	*	2	2	*	2	2	19	8	21	C1
X2	F										CLAMP, ELECTRICAL: 80063; SM-B-328395-1	ea		1										
P	O		5960-262-3763								ELECTRON TUBE: 81349; OB2WA	ea		1	3	9	16	2	2	4	187	100	21	V1
P	O		5960-188-6593								ELECTRON TUBE: 81349; 5696	ea		1	21	48	91	2	5	11	990	200	21	V3
P	O		5960-262-0210								ELECTRON TUBE: 81349; 5814A	ea		1	5	12	22	2	2	3	270	200	21	V2
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-1	ea		1										
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-2	ea		2										
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-12S-6	ea		1										
P	F		5905-230-9015								RESISTOR, FIXED, COMPOSITION: 81349; RC32GF820J	ea		1	*	*	2	*	*	2	8	6	23	R5
P	F		5905-279-1869								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF121K	ea		1	*	*	2	*	*	2	10	7	23	R9
P	F		5905-279-1926								RESISTOR, FIXED, COMPOSITION: 81349; RC42GF241J	ea		1	*	*	2	*	*	2	8	6	23	R13
P	F		5905-221-8836								RESISTOR, FIXED, COMPOSITION: 81349; RC32GF621J	ea		1	*	2	2	*	2	2	12	8	23	R7
P	F		5905-256-0390								RESISTOR, FIXED, COMPOSITION: 81349; RC42GF681J	ea		2	*	*	1	*	*	1	10	8	23	R3, R4

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	F		5905-279-2553								RESISTOR, FIXED, COMPOSITION: 81349; RC32GF122J	ea		1	*	*	1	*	*	1	10	7	23	R2
P	F		5905-256-8352								RESISTOR, FIXED, COMPOSITION: 81349; RC42GF122J	ea		1	*	2	2	*	2	2	12	8	23	R6
X2	F		5305-514-7506								SCREW, MACHINE: 96906; MS-35267-26	ea		2										
X2	F										SCREW, MACHINE: 96906; MS-35225-15	ea		6										
X2	F										SCREW, MACHINE: 96906; MS-35225-28	ea		1										
X2	F										SCREW, MACHINE: 96906; MS-35241-21	ea		4										
X2	F										SCREW, MACHINE: 96906; MS-35241-27	ea		2										
X2	F										SCREW, MACHINE: 96906; MS-35241-50	ea		1										
P	F		5961-978-7660								SEMICONDUCTOR DEVICE, DIODE: 81349; 1N540	ea		4	*	2	2	*	2	2	16	8	23	CR1 thru CR4
P	O		5960-686-8119								SHIELD, ELECTRON TUBE: 96906; MS-24233-1, type 1	ea		1	*	*	2	*	*	2	8	13		E3
P	O		5960-729-8150								SHIELD, ELECTRON TUBE: 96906; MS-24233-3	ea		1	*	*	1	*	*	1	5	12		E8
P	O		5960-686-8087								SHIELD, ELECTRON TUBE: 96906; MS-24233-5	ea		1	*	*	1	*	*	1	5	12		E2
X2	F										SPACER: 80063; SM-B-328396	ea		1										

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	(B) 21–50	(C) 51–100	GS (A) 1–20	(B) 21–50	(C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
X2	F										SPACER, PLUG: 80063; SM-B-328398	ea		2											
X2	F										STAND OFF: 80063; SM-B-328419-1	ea		2											
X2	F										SUPPORT ASSEMBLY: 80063; SM-C-328387; (left hand lower)	ea		1											
A	F	R									SUPPORT ASSEMBLY: 80063; SM-C-328388; (Right hand lower)	ea		1											
X2	F										SUPPORT CHASSIS: 80063; SM-C-328435; (Right hand lower)	ea		1											
X2	F										TERMINAL BOARD: 80063; SM-B-328436	ea		1											
P	0		6130-583-3693								VIBRATOR, INTERRUPTER: 80063; SM-C-328394	ea		1	*	2	2	*	2	2	16	11	21	G1
X2	F										WASHER, FLAT: 81350; 104-1S-6L	ea		3											
X2	F										WASHER, LOCK: 96906; MS-35336-3	ea		4											
X2	F		5310-045-3299								WASHER, LOCK: 96906; MS-35338-42	ea		1											
X2	F		5310-198-3724								WASHER, LOCK: See Group II	ea		3											
X2	F		5310-534-2410								WASHER, LOCK: See Group II	ea		8											
											GROUP IIIA LOWER CHASSIS SUBASSEMBLY ECOM DWG NO. SM-D-328401														
P	F		5910-620-4727								CAPACITOR, FIXED, ELECTROLYTIC: 80063; SM-C-328404	ea		1	*	2	2	*	2	2	19	8	25	C4
P	F		5910-667-4888								CAPACITOR, FIXED, PAPER DIELECTRIC: See Group III	ea		2									23	C13, C15

(1) SOURCE CD (a)	MAINT. CD (b)	REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (a) 1-20	DS (b) 21-50	DS (c) 51-100	GS (a) 1-20	GS (b) 21-50	GS (c) 51-100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	F		5910-583-4482								CAPACITOR, FIXED, PAPER DIELECTRIC: 80063; SM-B-328405	ea		1	*	2	2	*	2	2	12	8	23	C10
P	F		5910-622-5249								CAPACITOR, FIXED, PAPER DIELECTRIC: 80063; SM-B-328406	ea		1	*	*	2	*	*	2	13	6	23	C9
P	F		5910-537-6328								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM15B101K	ea		1	*	2	2	*	2	2	13	9	23	C17
P	F		5910-819-5745								CAPACITOR, FIXED, PAPER DIELECTRIC: 81349; CP05A1KC473K3	ea		1	*	2	2	*	2	2	12	8	23	C14
P	F		5910-818-9758								CAPACITOR, FIXED, PAPER DIELECTRIC: 81349; CP05A1KE224K3	ea		1	2	2	3	2	2	2	33	19	23	C18
P	F		5999-583-5809								CHOKE, RADIOFREQUENCY: 80063; SM-B-328392	ea		2	*	*	2	*	*	2	10	4	23	L1, L2
X2	F										CLAMP ASSEMBLY: 80063; SM-B-328418 GRI	ea		1										
X2	F										CLAMP ASSEMBLY: 80063; SM-B-328418 GRII	ea		1										
X2	F										CLIP, VIBRATOR: 80063; SM-B-328415	ea		1										
P	F		5915-628-5186								FILTER, BANDPASS: 80063; SM-D-328408	ea		1	*	*	2	*	*	2	8	6	21	FL2
P	F		5915-583-4839								FILTER, RADIO INTERFERENCE: 80063; SM-C-328410	ea		1	*	*	1	*	*	1	5	5	21	FL1
P	F		5805-581-9750								GENERATOR, RINGING, MACHINE: 80063; SM-C-328407	ea		1	*	*	2	*	*	2	10	8	21	G2
X2	F										GROMMET: 80063; SM-B-328416-2	ea		1										

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1—20	DS (B) 21—50	DS (C) 51—100	GS (A) 1—20	GS (B) 21—50	GS (C) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
X2	F										GROMMET, RUBBER: 80063; SM-B-328416-3	ea		1											
X2	F										INSULATOR, FEED-THRU: 80063; SM-B-328417	ea		1											
X2	F		5310-679-5532								NUT, PLAIN, CLINCH: 46384; CL440-C	ea		15											
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-1	ea		7											
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-2	ea		12											
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-9S-6	ea		2											
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-9S-8	ea		4											
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-12S-6	ea		15											
P	F		5950-583-4488								REACTOR: 80063; SM-C-328411	ea		1	*	*	1	*	*	1	5	4	21	L3
P	F		5945-583-7519								RELAY, ARMATURE: 80063; SM-B-328414	ea		1	*	*	1	*	*	1	5	3	23	K1
P	F		5905-279-3504								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF472J	ea		1	*	*	2	*	*	2	10	7	23	R19
P	F		5905-192-0649								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF203J	ea		1	*	2	2	*	2	2	19	13	23	R14
P	F		5905-195-6500								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF124K	ea		2	*	2	2	*	2	2	19	14	23	R10, R11

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	F		5905-185-6946								RESISTOR, FIXED, COMPOSITION: 01121; EB4741	ea		1	2	2	3	2	2	2	33	23	23	R12
P	F		5905-279-2514								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF564J	ea		2	*	2	2	*	2	2	18	12	23	R8, R15
P	F		5905-192-0390								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF105J	ea		1	*	2	2	*	2	2	19	13	23	R15
P	F		5905-239-0569								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF225K	ea		2	*	2	2	*	2	2	13	10	23	R17, R18
P	F		5905-279-1881								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF275J	ea		1	*	2	2	*	2	2	13	9	23	R16
X2	F										SCREW, MACHINE: 96906; MS-35225-15	ea		6										
X2	F										SCREW, MACHINE: 96906; MS-35225-28	ea		8										
X2	F										SCREW, MACHINE: 96906; MS-35225-43	ea		7										
X2	F										SCREW, MACHINE: 96906; MS-35267-27	ea		3										
X2	F		5305-531-1625								SCREW, MACHINE: 81349; type 1, style 5S	ea		2										
P	F		5961-577-6214								SEMICONDUCTOR DEVICE, DIODE: 81349; 1N538	ea		8	2	2	3	2	2	2	40	24	23	CR9 thru CR17
P	F		5961-978-7660								SEMICONDUCTOR DEVICE, DIODE: See Group III	ea		4									23	CR5 thru CR8
P	F		5935-129-3081								SOCKET, ELECTRON TUBE: 80063; SM-B-328403	ea		1	*	*	1	*	*	1	5	5	23	XG1

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	F		5935-260-5789								SOCKET, ELECTRON TUBE: 81349; TS101P01	ea		2	*	*	2	*	*	2	10	8	23	XC1, XC11
P	F		5935-686-9955								SOCKET, ELECTRON TUBE: 81349; TS102P02	ea		2	*	2	2	*	2	2	13	10	23	XV1, XV3
P	F		5935-160-1365								SOCKET, ELECTRON TUBE: 81349; TS103P01	ea		1	*	*	1	*	*	1	5	5	23	XV2
X2	F										STAND OFF: 80063; SM-B-328419-2	ea		3										
X2	F										TERMINAL BOARD: 80063; SM-B-328409	ea		1										
X2	F										TERMINAL BOARD: 80063; SM-B-328412	ea		1										
X2	F		5940-926-0023								TERMINAL, STUD: 08288; MS-5940-8	ea		9										
X2	F		5940-847-3138								TERMINAL, LUG: 80063; SM-B-328377-1	ea		2										
X2	F										TERMINAL, LUG: 80063; SM-B-328377-2	ea		4										
P	F		5950-622-1983								TRANSFORMER, POWER, STEP-DOWN: 80063; SM-D-328413	ea		1	*	*	1	*	*	1	5	5	23	T1
X2	F										WASHER, FLAT: 81350; 104-1S-6L	ea		3										
X2	F		5310-534-2410								WASHER, LOCK: See Group II	ea		10										
X2	F		5310-198-3724								WASHER, LOCK: See Group II	ea		14										
X2	F		5310-045-3299								WASHER, LOCK: See Group III	ea		7										

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1—20	DS (B) 21—50	DS (C) 51—100	GS (A) 1—20	GS (B) 21—50	GS (C) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued) GROUP IV UPPER CHASSIS ASSEMBLY ECOM DWG NO. SM-D-328443														
P	H		5910-581-8278								CAPACITOR, FIXED, MICA DIELECTRIC: 00000; 8489880; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C35
P	H		5910-818-3290								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM35E103J03; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C32
P	H		5910-883-8075								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30E102JP3; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C33
											OR														
P	H		5910-951-5192								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F112JP3; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C33
											OR														
P	H		5910-951-7071								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F152JP3; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C33
											OR														
P	H		5910-951-8636								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F182JP3; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C33
											OR														
P	H		5910-951-7073								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F202JP3; (p/o Oscillator Subassembly, Z1)	ea		2				*	*	2	13	9	22	C33, C34
											OR														

(1) SOURCE CD (a)	(1) MAINT. CD (b)	(1) REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1—20	DS (B) 21—50	DS (C) 51—100	GS (A) 1—20	GS (B) 21—50	GS (C) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	H		5910-883-4552								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F272JP3; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C34
											OR													
P	H		5910-802-0534								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; BMCS30D302J03; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C34
											OR													
P	H		5910-060-6372								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM30F332J03; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C34
											OR													
P	H		5910-565-3213								CAPACITOR, FIXED, MICA DIELECTRIC: 84171; CM30E362F; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C34
											OR													
P	H		5910-764-1281								CAPACITOR, FIXED, MICA DIELECTRIC: 81349; CM35FD392J; (p/o Oscillator Subassembly, Z1)	ea		1				*	*	2	8	6	22	C34
P	F		5910-820-6114								CAPACITOR, FIXED, PAPER DIELECTRIC: See Group III	ea		1									22	C39
P	F		5910-818-9758								CAPACITOR, FIXED, PAPER DIELECTRIC: See Group IIIA	ea		3									22	C20, C26, C27
X2	F										CLAMP, ELECTRICAL: 80063; SM-B-328395-2	ea		1										
X2	F										COIL, OSCILLATOR, TANK: 80063; SM-B-328454; (p/o Oscillator Subassembly, Z1)	ea		1									21	L4

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	0		5960-188-8515								ELECTRON TUBE: 81349; 6C4	ea		1	5	12	22	2	2	3	270	100	21	V6
P	0		5960-262-0286								ELECTRON TUBE: 81349; 5651WA	ea		1	3	9	16	2	2	2	187	100	21	V5
P	0		5960-237-6917								ELECTRON TUBE: 81349; 5725	ea		1	3	9	16	2	2	2	187	100	21	V4
P	0		5960-262-0210								ELECTRON TUBE: See Group III	ea		1									21	V7
P	0		5960-188-6593								ELECTRON TUBE: See Group III	ea		1									21	V8
P	F		5820-625-7085								OSCILLATOR SUBASSEMBLY: 70779; 116A-303737	ea		1	*	*	1	*	*	1	4	1	25	Z1
P	F		5905-185-6580								RESISTOR, FIXED, COMPOSITION: 81349; RC42GF471J	ea		1	*	*	1	*	*	1	5	5	22	R34
P	F		5905-171-1999								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF821J	ea		1	*	*	2	*	*	2	10	7	22	R40
P	F		5905-114-2478								RESISTOR, FIXED, COMPOSITION: 81349; RC32GF102K	ea		1	*	2	2	*	2	2	12	8	22	R23
P	F		5905-279-1876								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF222J	ea		1	*	*	2	*	*	2	10	7	22	R41
P	F		5905-192-0649								RESISTOR, FIXED, COMPOSITION: See Group IIIA	ea		1									22	R35
X2	F		5305-043-6638								SCREW, MACHINE: See Group I	ea		1										
X2	F										SCREW, MACHINE: 96906; MS-35225-15	ea		4										
X2	F										SCREW, MACHINE: 96906; MS-35241-21	ea		4										
P	0		5960-686-8085								SHIELD, ELECTRON TUBE: 96906; MS-24233-2	ea		2	*	*	2	*	*	2	10	14		E6, E7

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1—20	DS (B) 21—50	DS (C) 51—100	GS (A) 1—20	GS (B) 21—50	GS (C) 51—100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	O		5960-686-8119								SHIELD, ELECTRON TUBE: See Group III	ea		2										E4, E5
P	O		5960-686-8087								SHIELD, ELECTRON TUBE: See Group III	ea		1										E1
A	F	R									SUPPORT ASSEMBLY: 80063; SM-C-328444; (right hand upper)	ea		1										
A	F	R									SUPPORT ASSEMBLY: 80063; SM-C-328445; (left hand upper)	ea		1										
X2	F		5940-926-0023								TERMINAL, STUD: See Group IIIA	ea		8										
X2	F										WASHER, FLAT: 81350; 104-1S-6L	ea		1										
X2	F		5310-534-2410								WASHER, LOCK: See Group II	ea		5										
X2	F										WASHER, LOCK: 96906; MS-35336-3	ea		4										
											GROUP IVA UPPER CHASSIS SUBASSEMBLY ECOM DWG NO. SM-D-328449													
X2	F										BRACKET: 80063; SM-B-328432	ea		1										
P	F		5910-537-6328								CAPACITOR, FIXED, MICA DIELECTRIC: See Group IIIA	ea		1									22	C31
P	F		5910-583-0625								CAPACITOR, FIXED, PAPER DIELECTRIC: 80063; SM-B-328452	ea		1	*	2	2	*	2	2	12	8	21	C23
P	F		5910-667-4888								CAPACITOR, FIXED, PAPER DIELECTRIC: See Group III	ea		3									22	C24, C29, C38
P	F		5910-187-1763								CAPACITOR, FIXED, PAPER DIELECTRIC: 81349; CP55B1EB405K	ea		3	2	3	5	2	2	2	46	33	21	C19, C25, C30

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	F		5910-126-9594								CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE61C250G	ea		1	*	2	2	*	2	2	19	8	21	C22
P	F		5910-668-4902								CAPACITOR, FIXED, ELECTROLYTIC: 81349; CE42C100R	ea		1	*	2	2	*	2	2	19	8	21	C28
P	F		5910-620-4727								CAPACITOR, FIXED, ELECTROLYTIC: See Group IIIA	ea		1									21	C21
X2	F										CLAMP, NEON TUBE: 80063; SM-B-328478	ea		1										
X2	F										GROMMET, RUBBER: 80063; SM-B-328416-1	ea		1										
X2	F										GROMMET, RUBBER: 80063; SM-B-328416-4	ea		1										
P	F		6240-295-1368								LAMP, GLOW: 81349; NE-2A	ea		1	*	2	2	*	2	2	15	100	22	F6
X2	F		5310-679-5532								NUT, PLAIN, CLINCH: See Group IIIA	ea		8										
X2	F										NUT, PLAIN, CLINCH: 80063; SM-B-328384	ea		2										
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-1	ea		14										
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-2	ea		15										
X2	F										NUT, PLAIN, HEXAGONAL: 80063; SM-B-328383-3	ea		1										
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-12S-6	ea		7										

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	(2) FEDERAL STOCK NUMBER	MODEL 1	MODEL 2	MODEL 3	MODEL 4	MODEL 5	MODEL 6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
X2	F										NUT, PLAIN, HEXAGONAL: 81350; 102-98-6	ea		6										
P	F		5945-583-8180								RELAY, ARMATURE: 80063; SM-C-328455	ea		1	*	*	2	*	*	2	8	6	21	K2
P	F		5945-583-7558								RELAY, ARMATURE: 80063; SM-B-328456	ea		1	*	*	1	*	*	1	5	5	21	K4
P	F		5945-583-7514								RELAY, ARMATURE: 80063; SM-C-328457	ea		1	*	*	1	*	*	1	5	5	21	K5
P	F		5945-577-2923								RELAY, ARMATURE: 80063; SM-B-328458	ea		1	*	2	2	*	2	2	12	8	21	K3
P	F		5905-186-3008								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF101K	ea		1	*	2	2	*	2	2	12	8	22	R33
P	F		5905-171-2005								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF471K	ea		1	*	*	1	*	*	1	5	5	22	R22
P	F		5905-195-6817								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF102K	ea		1	*	*	2	*	*	2	10	7	22	R29
P	F		5905-299-1971								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF822J	ea		1	*	*	2	*	*	2	10	7	22	R44
P	F		5905-279-3500								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF183J	ea		1	*	*	1	*	*	1	5	5	22	R31
P	F		5905-279-3497								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF393J	ea		1	*	*	2	*	*	2	10	7	22	R46
P	F		5905-171-1986								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF563J	ea		3	*	2	2	*	2	2	27	18	22	R26, R36, R47
P	F		5905-120-1174								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF114J	ea		1	*	2	2	*	2	2	12	8	22	R38

REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
P	F		5905-192-0660								RESISTOR, FIXED, COMPOSITION: 13499; RA4182	ea		1	*	*	2	*	*	2	8	6	22	R30
P	F		5905-249-9491								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF274K	ea		2	*	2	2	*	2	2	19	14	22	R21, R32
P	F		5905-279-2519								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF334J	ea		1	*	2	2	*	2	2	12	8	22	R24
P	F		5905-279-1883								RESISTOR, FIXED, COMPOSITION: 81349; RC20GF335J	ea		1	*	*	1	*	*	1	5	5	22	R27
P	F		5905-279-2514								RESISTOR, FIXED, COMPOSITION: See Group IIIA	ea		1									22	R28
P	F		5905-279-1881								RESISTOR, FIXED, COMPOSITION: See Group IIIA	ea		1									22	R42
P	F		5905-185-6946								RESISTOR, FIXED, COMPOSITION: See Group IIIA	ea		3									22	R37, R39, R45
P	F		5905-192-0390								RESISTOR, FIXED, COMPOSITION: See Group IIIA	ea		1									22	R43
P	F		5905-279-2553								RESISTOR, FIXED, COMPOSITION: See Group III	ea		1									22	R20
P	F		5905-617-6484								RESISTOR, VARIABLE: 81349; RV4NSYSA505B	ea		1	*	2	2	*	2	2	12	8	3	R25
X2	F										SCREW, MACHINE: 96906; MS-35225-15	ea		10										
X2	F										SCREW, MACHINE: 96906; MS-35225-43	ea		14										
X2	F										SCREW, MACHINE: 96906; MS-35267-27	ea		4										

(1) SOURCE CD (a)	MAINT. CD (b)	REC. CODE (c)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (a) 1–20	DS (b) 21–50	DS (c) 51–100	GS (a) 1–20	GS (b) 21–50	GS (c) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (a) FIGURE NUMBER	(b) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
X2	F										SCREW, MACHINE: 81350; 100-6S4-8	ea		1											
P	F		5935-686-9955								SOCKET, ELECTRON TUBE: See Group IIIA	ea		4										22	XV4, XV5, XV6, XV8
P	F		5935-160-1365								SOCKET, ELECTRON TUBE: See Group IIIA	ea		1										22	XV7
X2	F										STANDOFF: 80063; SM-B-328419-2	ea		3											
X2	F		5940-847-3138								TERMINAL, LUG: See Group IIIA	ea		2											
X2	F										TERMINAL, LUB: 80063; SM-B-328377-2	ea		3											
X2	F										TERMINAL, LUG: 80063; SM-B-328377-3	ea		2											
X2	F										STUD, CAMLOC: 80063; SM-B-328422-1	ea		2											
X2	F										SUPPORT, CHASSIS: 80063; SM-C-328472	ea		1											
X2	F										SUPPORT, CHASSIS: 80063; SM-C-328474	ea		1											
X2	F										TERMINAL BOARD: 80063; SM-B-328463	ea		1											
X2	F										TERMINAL BOARD: 80063; SM-C-328468	ea		1											
X2	F		5940-926-0023								TERMINAL, STUD: See Group IIIA	ea		11											
P	F		5950-577-3063								TRANSFORMER, AUDIOFREQUENCY: 80063; SM-D-328459	ea		1	*	*	1	*	*	1	10	7	21	T2	

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	CD IND	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)													
X2	F										WASHER, FLAT: 81350; 104-1S-8L	ea		7										
X2	F										WASHER, INSULATOR: 80063; SM-B-328467	ea		1										
X2	F										WASHER, LOCK: 80063; SM-B-328382	ea		1										
X2	F		5310-198-3724								WASHER, LOCK: See Group II	ea		9										
X2	F		5310-534-2410								WASHER, LOCK: See Group II	ea		13										
X2	F		5310-045-3299								WASHER, LOCK: See Group III	ea		12										
											GROUP V CASE ASSEMBLY ECOM DWG NO. SM-D-328352													
X2	F										CASE: 80063; SM-D-328353	ea		1										
X2	F										PIN, ASSEMBLY: 80063; SM-B-328354	ea		6										
X2	F										ROLL PIN: 80063; SM-B-328355	ea		4										
											GROUP VI CABLE ASSEMBLIES													
P	F		6145-220-9392								CABLE, SPECIAL PURPOSE, ELECTRICAL: WM-59A/U: 80063; SC-A-46697A	ft		3	*	3	3	*	3	3	36	15		
P	F		6145-112-8681								CABLE, POWER, ELECTRICAL: 81348; JC90, type 4, (p/o W5)	ft		4	*	4	4	*	4	8	48	20		
P	F		6145-112-8618								CABLE, POWER, ELECTRICAL: 81349; CO-02HGF (2/16) 0405; (p/o W1 and W2)	ft		15	*	15	15	*	15	15	180	75		

(1) SOURCE CD (A)	(1) MAINT. CD (B)	(1) REC. CODE (C)	(2) FEDERAL STOCK NUMBER	MODEL 1	2	3	4	5	6	IND CD	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) QTY INC IN UN PK	(6) QTY INC IN UNIT	(7) 30 DAY MAINT. ALW. DS (A) 1–20	DS (B) 21–50	DS (C) 51–100	GS (A) 1–20	GS (B) 21–50	GS (C) 51–100	(8) 1 YR. ALW. PER 100 EQUIP. CNTGCY PL.	(9) DEPOT MAINT. ALW. PER 100 EQUIP.	(10) ILLUSTRATIONS (A) FIGURE NUMBER	(10) ILLUSTRATIONS (B) ITEM OR SYMBOL NUMBER
											AN/GSA-7 (continued)														
P	F		6145-542-6098								CABLE, SPECIAL PURPOSE, ELECTRICAL: 81349; WM-70B/U; (p/o W3 and W4)	ft		6	*	*	6	*	*	6	72	30		
P	F		5935-892-9055								CONNECTOR, PLUG, ELECTRICAL U-230/U: 80063; SC-A-46697A	ea		1	*	*	2	*	*	2	8	6		
P	F		5935-283-2950								CONNECTOR, PLUG, ELECTRICAL: 81349; U-77/U; (p/o W3)	ea		3	*	2	2	*	2	2	13	9		P5, P6
P	F		5935-283-2884								CONNECTOR, PLUG, ELECTRICAL: 81349; U-78/U; (p/o W3 and CX-7474/U)	ea		3	*	2	2	*	2	2	18	12		P3, P4
P	O		5935-518-9653								CONNECTOR, PLUG, ELECTRICAL: 81349; UP12CM (MS-91184-1); (p/o W1)	ea		1	*	*	2	*	*	2	8	6		P8
P	F		5935-552-4120								CONNECTOR, PLUG, ELECTRICAL: 81349; UW132CMB17; (p/o W5)	ea		1	*	*	2	*	*	2	8	6		P7
P	F		5935-201-3143								CONNECTOR, PLUG, ELECTRICAL: 81349; CS-1320(1)(S)(0.425); (p/o W1)	ea		2	*	2	2	*	2	2	13	10		
P	F		5935-258-9974								CONNECTOR, RECEPTACLE, ELECTRICAL 80063; SM-C-328397-2	ea		1	*	*	2	*	*	2	8	6	21	P1
P	F		5935-201-3952								CONNECTOR, RECEPTACLE, ELECTRICAL: 80063; SM-C-328397-1	ea		1	*	*	2	*	*	2	8	6	21	J1
P	O		5935-259-2545								PLUG, TIP: 83330; 108; (p/o W5)	ea		2	*	*	2	*	*	2	10	4		

INDEX — FEDERAL STOCK NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE SYMBOL

STOCK NO.	FIGURE NO.	ITEM NO. REF. SYMBOL
5805-581-9750	21	G2
5820-625-7085	25	Z1
5905-114-2478	22	R23
5905-120-1174	22	R38
5905-171-1986	22	R26, R36, R47
5905-171-1999	22	R40
5905-171-2005	22	R22
5905-185-6580	22	R34
5905-185-6946	23	R12
	22	R37, R39, R45
5905-186-3008	22	R33
5905-192-0390	23	R15
	22	R43
5905-192-0649	22	R35
	23	R14
5905-192-0660	22	R30
5905-195-6500	23	R10, R11
5905-195-6817	22	R29
5905-221-8836	23	R7
5905-230-9015	23	R5
5905-239-0569	23	R17, R18
5905-249-9491	22	R21, R32
5905-256-0390	23	R3, R4
5905-256-8352	23	R6
5905-279-1869	23	R9
5905-279-1876	22	R41
5905-279-1881	22	R42
	23	R16
5905-279-1883	22	R27
5905-279-1926	23	R13
5905-279-2514	22	R28
	23	R8, R15
5905-279-2519	22	R24
5905-279-2553	23	R2
	22	R20
5905-279-3497	22	R46
5905-279-3500	22	R31
5905-279-3504	23	R19
5905-299-1971	22	R44
5905-299-2046	21	R1
5905-617-6484	3	R25
5910-060-6372	22	C34
5910-126-9594	21	C22
5910-187-1763	21	C19, C25, C30
5910-537-5426	23	C7, C8
5910-537-6328	22	C31
	23	C17
5910-565-3213	22	C34
5910-577-1459	21	C11
5910-581-8278	22	C35
5910-583-0625	21	C23
5910-583-4482	23	C10
5910-620-4727	21	C21
	25	C4
5910-622-5249	23	C9
5910-667-4888	23	C5, C6, C12, C13, C15
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5910-668-4902	21	C28
5910-721-2252	21	C2, C3
5910-754-6931	21	C1
5910-764-1281	22	C34
5910-802-0534	22	C34
5910-818-3290	22	C32
5910-818-9758	23	C18
	22	C20, C26, C27
5910-819-5745	23	C14

INDEX — FEDERAL STOCK NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE SYMBOL

STOCK NO.	FIGURE NO.	ITEM NO. REF. SYMBOL
5910-820-6114	22 23	C39 C16
5910-883-4552	22	C34
5910-883-8075	22	C33
5910-951-5192	22	C33
5910-951-7071	22	C33
5910-951-7073	22	C33, C34
5910-951-8636	22	C33
5915-583-4839	21	FL1
5915-628-5186	21	FL2
5920-142-7383	7	F1
5920-295-9602	7	F2
5930-577-0340	7	S4
5930-583-2734	7	S2
5930-583-2735	7	S3
5930-583-2736	7	S1
5935-129-3081	23	XG1
5935-160-1365	23 22	XV2 XV7
5935-201-3952	21	J1
5935-201-3998	7	J2
5935-258-9974	21	P1
5935-260-5789	23	XC1, XC11
5935-549-2646	7	J5
5935-583-8291	7	J3, J4
5935-686-9955	23 22	XV1, XV3 XV4, XV5, XV6, XV8
5940-223-5293	7	E1 thru E5
5945-577-2923	21	K3
5945-583-7514	21	K5
5945-583-7519	23	K1
5945-583-7558	21	K4
5945-583-8180	21	K2
5950-577-3063	21	T2
5950-583-4488	21	L3
5950-622-1983	23	T1
5960-188-6593	21	V3, V8
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5960-237-6917	21	V4
5960-262-0210	21	V2, V7
5960-262-0286	21	V5
5960-262-3763	21	V1
5961-577-6214	23	CR9 thru CR17
5961-978-7660	23	CR1 thru CR4, CR5 thru CR8
5999-583-5809	23	L1, L2
6130-583-3693	21	G1
6240-295-1368	22	E6

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

Official:

KENNETH G. WICKHAM,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

USASA (2)
CNGB (1)
OCC–E (7)
Dir/Trans (1)
CofEngrs (1)
TSG (1)
CofSptS (1)
USAARENBD (2)
USAAESWBD (5)
USACDCEA (1)
USACDCCBRA (1)
USACDCCEA (1)
USACDCCEA Ft Huachuca (1)
USACDCOA (1)
USACDCQMA (1)
USACDCTA (1)
USACDCARMA (1)
USACDCAVNA (1)
USACDCARTYA (1)
USACDCSWA (1)
USACDCADA (1)
USAMC (5)
USCONARC (5)
ARADCOM (5)
ARADCOM Rgn (2)
OS Maj Comd (4)
LOGCOMD (2)
USAMICOM (4)
USASTRATCOM (4)
USAESC (70)
MDW (1)
Armies (2) except
Eight (5)
1st Cav Div (5)
Corps (2)
USAC (3)
507th USASA Gp (5)
508th USASA Gp (5)
318th USASA Bn (5)
319th USASA Bn (5)
177th USASA Co (5)
182nd USASA Co (5)
183rd USASA Co (5)
184th USASA Co (5)
Svc Colleges (2)
USASCS (5)
USASESCS (5)
USAADS (10)
USAAMS (10)
USAARMS (2)
USAIS (2)
USAES (2)
USATC Armor (2)
USATC Engr (2)
USATC Inf (2)
USASTC (2)
WRAMC (1)
Army Pic Cen (2)
USACDCEC (10)
Instl (2) except
Fort Hancock (4)
Fort Gordon (10)
Fort Huachuca (10)
WSMR (5)
Fort Carson (25)
Fort Knox (12)
Army Dep (2) except
LBAD (14)
SAAD (30)
TOAD (14)
LEAD (7)
SHAD (3)
NAAD (5)
SVAD (5)
CHAD (3)
ATAD (10)
GENDEPS (2)
Sig Sec GENDEPS (5)
Sig Dep (12)
Sig FLDMS (2)
AMS (1)
USAERDAA (2)
USAERDAW (13)
USACRREL (2)
Units Org under fol TOE:
(2 cys each)
5–617
6–185
6–186
6–300
6–345
6–346

6–385
6–386
6–405
6–406
6–415
6–416
6–435
6–436
6–445
6–575
6–576
6–577
7
7–100
7–102
11–7
11–8
11–38
11–57
11–58
11–85
11–87
11–97
11–98
11–117
11–127
11–155
11–157
11–158
11–500 (AA–AC)
11–587
11–592
11–597
17
17–100
17–102
32–56
32–57
32–68
32–500
37
37–100
37–102
44–85
44–86
44–535
44–536
57
57–100

NG: State AG (3); units—same as active Army except allowance is one (1) copy per unit.
USAR: None.
For explanation of abbreviations used, see AR 320-50.

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